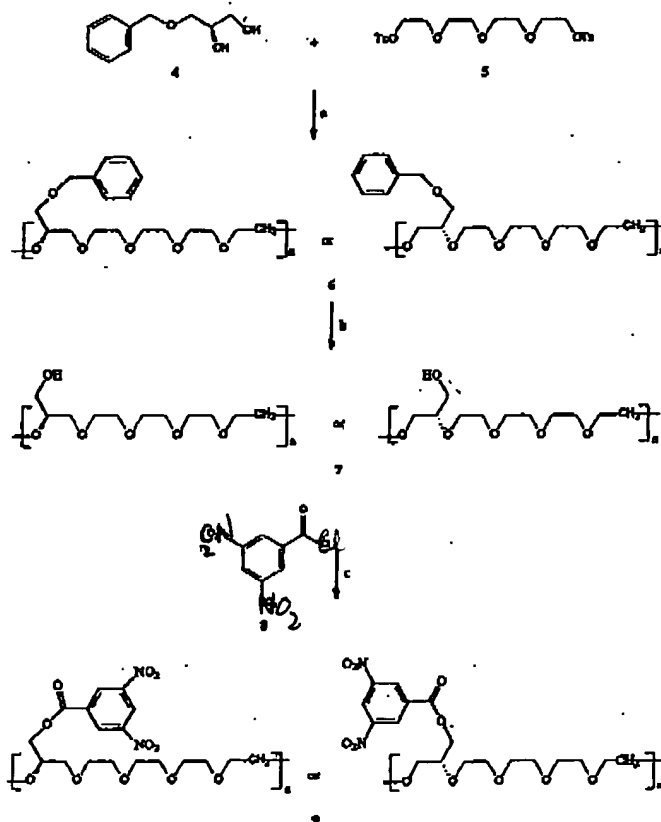
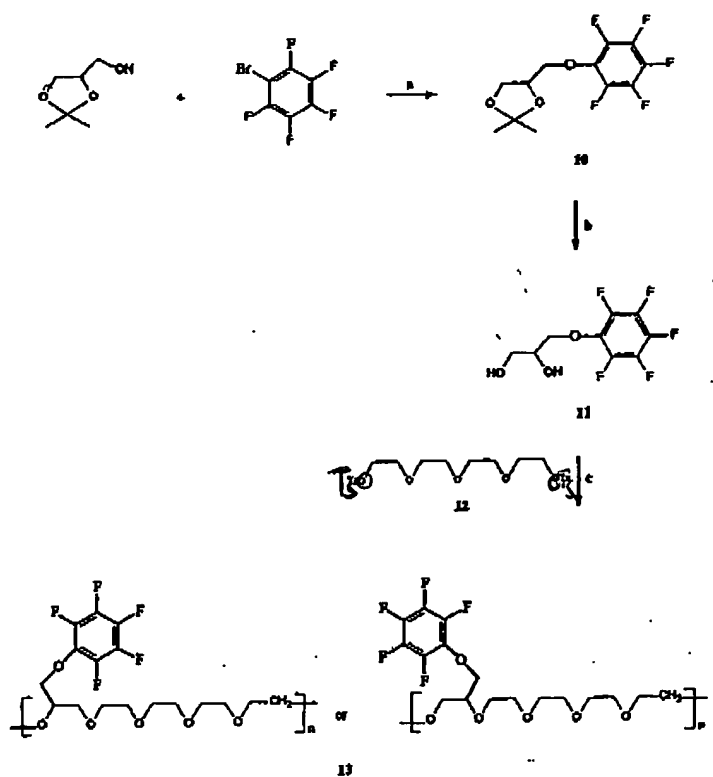


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Scheme 2. Preparation of polymer 2. Reagents and conditions: (a) NaH, THF, reflux (80°C), 24h; (b) hydrogen, 10% Pd-C, ethanol, 25°C, 48h, 95%; (c) pyridine, 25°C, 24h.

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Scheme 3. Preparation of polymer 3. Reagents and conditions: (a) NaH, THF, 0°C- r.t., 12h; (b) HCOOH, HCl, ethanol, reflux (80°C), 24h; (c) NaH, THF, reflux (70°C), 24h.